

MasterSet AC 50CF

Admixture for accelerating the strength development in hardening concrete especially at low temperature.

Material description

MasterSet AC 50CF is an aqueous solution of chloride free materials which promote the acceleration of strength development of the hardening concrete. It is used in concrete in combination with any superplasticiser of the MasterGlenium, MasterEase, MasterSure, MasterCO₂re line.

MasterSet AC 50CF is chloride free, meets EN 934-2 UNI and it is compatible with all cements meeting the EN 197-1 standards.

Benefits

It is particularly suitable for obtaining high strengths in concrete at early ages, especially at low temperatures (8 to 12°C).

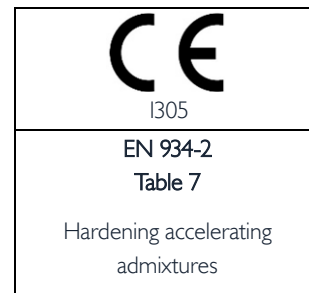
It is recommended for use in:

- cold weather concrete pours;
- in precast concrete production to achieve high compressive strengths at early ages (14 to 18 hours) at ambient temperatures below 15°C;
- it is possible to obtain the following advantages;
- rapid hardening of the concrete;
- reduction of the curing cycle;
- increase in strength at early age.

Compatibility

MasterSet AC 50CF is compatible with all types of cement and superplasticisers of the MasterGlenium, MasterEase, MasterSure, MasterCO₂re line.

In compliance with the European Regulation (EU No 305/2011 and EU No. 574/2014) the product is provided with the CE marking according to UNI EN 934-2 and the relative DoP (Declaration of Performance).



Dosage

The recommended dosage rate is between 0,5 to 2% by the weight of cement in the mix. Other dosages are possible, as per the specific requirements of the job.

In such cases please consult our Technical Service Department for advice.

Packing and storage

MasterSet AC 50CF is available in 10L cans, 208L drums, 1.000L tanks or in bulk.

MasterSet AC 50CF must be stored in a sheltered place where the temperature does not drop below 5°C. In case of freezing, warm up and homogenise the admixture solution before using.

MasterSet AC 50CF

Admixture for accelerating the strength development in hardening concrete especially at low temperature.

Technical Information	
Form	Liquid
Relative density (g/ml at 20°C)	1.385 -1.445
Essential characteristic in accordance to EN 934-2	Performance
Chloride ion content	≤ 0.1% by mass
Alkali content (Na ₂ O equivalent)	≤ 5.0%
Corrosion behaviour	Contains components from EN 934-1 2008 Annex A.2
Air content	≤ 2.0%
Hardening time/ strength development	20°C 24h ≥ 120% 20°C 28gg ≥ 90% 5 °C 48h ≥ 130%

Directions for use

MasterSet AC 50CF is a ready to use admixture that is added to the mix after all other components have been added and then mixed to obtain a homogeneous mixture.

- Optimize the curing cycles by reducing curing time or curing temperature.
- Eliminate the heat curing.

Safety information

For information on the correct and safe use, transport, storage and disposal of the product, consult the most recent Safety Data Sheet.

Other services

For additional technical information, brochures, references, technical reports and technical support please visit www.master-builders-solutions.com/it-it or alternatively contact infomac@masterbuilders.com.

Scan QR code to visit the product page and download the latest version of this technical data sheet and any additional documentation.



MasterSet AC 50CF

Admixture for accelerating the strength development in hardening concrete especially at low temperature.

Disclaimer

Since 16/12/1992, Master Builders Solutions Italia Spa has been operating under a Certified Quality System compliant with the UNI EN ISO 9001 Standard. Furthermore, the Environmental Management System is certified according to the UNI EN ISO 14001 Standard and the Safety Management System is certified according to the UNI ISO 45001 Standard.

For further information, please consult the local Technician of Master Builders Solutions. The technical advice on how to use our products, either written or verbally given, are based on the current state of our scientific and practical expertise, and does not imply the assumption of any guarantee and/or responsibility for the final results of works executed using our products.

Therefore, the customer is not exempted from the exclusive task and responsibility of verifying the suitability of our products for the intended use and purposes.

This version supersedes all the previous ones.

Master Builders Solutions Italia Spa

Via Vicinale delle Corti, 21 – 31100 Treviso – Italia

T +39 0422 429200 F +39 0422 421802

www.master-builders-solutions.com/it-it

e-mail: infomac@masterbuilders.com